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Hendricks, R. L., Tumpey, T. M.: Contribution of Virus and Immune Factors to Herpes Simplex Virus Type I-Induced Corneal Pathology, 1929
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Kan-Mitchell, J., Rao, N., Albert, D. M., Van Eldik, L. J., Taylor, C. R.: S100 Immunophenotypes of Uveal Melanomas, 1492
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Kruse, F. E., Chen, J. J. Y., Tsai, R. J. F., Tseng, S. C. G.: Conjunctival Transdifferentiation Is due to the Incomplete Removal of Limbal Basal Epithelium, 1903
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Kurhanewicz, J., Winguth, S. D., Char, D. H., Kaleta, S., Kindy-Degnan, N., Swift, P. S., Stauffer, P. R., Wendland, M. F., Lovato, A., Chang, L.-H., James, T. L.: ^{31}P Magnetic Resonance Spectroscopy of Animal Uveal Melanoma, 1745
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Silverman, S. E., Hart, W. M., Jr., Gordon, M. O., Kilo, C.: The Dyschromatopsia of Optic Neuritis Is Determined in Part by the Foveal/Perifoveal Distribution of Visual Field Damage, 1895
Silverman, S. E., Trick, G. L., Hart, W. M., Jr.: Motion Perception Is Abnormal in Primary Open-Angle Glaucoma and Ocular Hypertension, 722; *also see* Hart et al, 359
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Van der Zypen, E., Fankhauser, F., Kwasniewska, S., England, C.: Transpupillary Irradiation of the Rabbit Retina with the cw-Nd:YAG Laser: I. Acute Morphologic Effects Produced Using Two Different Pulse Forms, 29
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